

In the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1-25. (Cancelled)

26. (New) A reactive fine particle, comprising:

at least one latent curing agent selected from the group consisting of a urea derivative, an imidazole, a dicyandiamide (DICY), a mixture thereof and a precursor thereof; and

at least one inorganic inert particle selected from the group consisting of a metal oxide, a mineral filler, a natural filler or a mixture thereof, the at least one inorganic inert particle having a specific surface area in the range of about 10 to about 50 m²/g,

wherein the latent curing agent is entrapped, immobilized, encapsulated, soaked, doped or bonded into the inner portion of the inorganic inert particle or the latent curing agent is coated on the outer rim of the inorganic inert particle,

wherein a weight ratio of the at least one latent curing agent to the at least one inert particle is in the range of from 0.01:100 to 50:100, and

wherein the reactive fine particle has a maximal size of less than 2 microns.

27. (New) The reactive fine particle of claim 26, wherein the at least one latent curing agent is configured to initiate cross linking and/or polymerization of thermoset polymers.
28. (New) The reactive fine particle of claim 26, further comprising a central inert particle which comprises the at least one inorganic inert particle coated by a layer comprising the at least one curing agent.
29. (New) The reactive fine particle of claim 26, wherein the at least one inorganic inert particle comprises a component selected from the group consisting of BaSO₄ (barium sulfate), CaSO₄, CaCO₃, talc, kaolin, mica and glass.
30. (New) The reactive fine particle of claim 26, wherein the at least one latent curing agent is DICY.
31. (New) The reactive fine particle of claim 30, wherein the at least one inorganic inert particle comprises barium sulfate.
32. (New) The reactive fine particle of claim 26, wherein the at least one latent curing agent is in a crystalline form.

33. (New) The reactive fine of claim 26, wherein the at least one latent curing agent is adapted for activation at temperatures above 120°C.